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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,837	07/12/2005	Uno Henningsson	P16589	6125
27045 ERICSSON IN	7590 05/02/2007 EXAMINED			INER
6300 LEGACY DRIVE M/S EVR 1-C-11			BOES, TERENCE	
PLANO, TX 75			ART UNIT	PAPER NUMBER
			3682	
			MAIL DATE	DELIVERY MODE
			05/02/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
Office Action Summary		10/541,837	HENNINGSSON ET AL.		
		Examiner	Art Unit		
		Terence Boes	3682		
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply				
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DA nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
2a)	Responsive to communication(s) filed on 29 M. This action is FINAL. 2b) This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro			
Disposit	ion of Claims				
4) Claim(s) 1-11 and 13-23 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-11 and 13-23 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.					
Applicat	ion Papers	•			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 1.	epted or b) objected to by the ld drawing(s) be held in abeyance. Section is required if the drawing(s) is ob-	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority (under 35 U.S.C. § 119	·			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
	ce of References Cited (PTO-892)	4) Interview Summary			
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:			

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DETAILED ACTION

Request for Continued Examination

1. The request filed on 03/29/2007 for a Continued Examination (RCE) is accepted and a continued prosecution application has been established. An action on the RCE follows.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 2-8, 10, 14-20, and 22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The recitation "consists of" appearing in claims 2 and 14 renders the claims indefinite. The transitional phrase "consisting of" excludes any element, step, or ingredient not specified in the claim [MPEP 2111.03]. Is applicant intending the claim to exclude any element, step, or ingredient not specified in the claim? The examiner notes claim 2 also recites "A screw arrangement comprising a cavity". How can the screw arrangement consist of a first part and a second part, excluding any other element, and also including a cavity?

The recitation "...a cross section that minimizes the contacting surface...", appearing in claims 10 and 22, renders the claims indefinite. The term "minimizes" is a relative term which renders the claim indefinite. The term "minimizes" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite

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degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-11, as best understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over Morales US 4,954,032 in view of Newell US 3,169,407.

Morales discloses:

- a cavity for insertion of a threaded axle (9) along which the screw arrangement is movably arranged,
- a first resilient part (25) to eliminate an axial allowance.
- a second resilient part (upper instance of 21) to eliminate a radial allowance,
- whereby the screw arrangement consists of a first part (3) and a second part (2) that are connectable to each other.
- whereby the first part can be inserted into the second part (see figures 4 and 5).
- whereby the first resilient part comprises a separate spring (25 is a spring).

- whereby the first resilient part comprises an integrated part of the first part of the screw arrangement (3 and 25 are integrated in that they function together, see figures 4 and 5).
- whereby the second resilient part comprises at least one resilient tongue
 (21 is a resilient tongue) that is arranged in parallel to the screw
 arrangement axis for insertion into corresponding grooves (upper instance of 28) of the second part of the screw arrangement.
- whereby an end of the resilient tongue is equipped with a bulge (upper instance of 22) to secure a firm connection of the first and second part of the screw arrangement.
- whereby the first screw arrangement part comprises one or more convex protrusions (lower instance of 22) and the second screw part comprises corresponding grooves (28) for insertion of the first part of the screw arrangement into the second part of the screw arrangement.
- the screw arrangement comprising a threaded means for fastening of a tuner object (8 is capable of fastening a tuner object).

Morales discloses all of the claimed subject matter as described above. Morales does not disclose a screw arrangement cavity at its inside being equipped with semispheres that follow the turn of threads of a threaded axle

Newell teaches a screw arrangement cavity at its inside being equipped with six semi-spheres (27) that follow the turn of threads of a threaded axle for the purpose of reducing friction (C1/L10-15).

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It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Morales and provide a screw arrangement cavity at its inside being equipped with six semi-spheres that follow the turn of threads of a threaded axle, as taught by Newell, for the purpose of reducing friction.

4. Claims 13-23, as best understood, are rejected under 35 U.S.C. 103(a) as being unpatentable over Morales US 4,954,032 in view of Newell US 3,169,407, and further in view of Schmid et al. US 5,039,966.

Morales discloses:

- a first resilient part (25) to eliminate an axial allowance
- a second resilient part (upper instance of 21) to eliminate a radial allowance,
- whereby the screw arrangement consists of a first part (3) and a second
 part (2) that are connectable to each other.
- whereby the first part can be inserted into the second part (see figures 4 and 5).
- whereby the first resilient part comprises a separate spring (25 is a spring).
- whereby the first resilient part comprises an integrated part of the first part of the screw arrangement (3 and 25 are integrated in that they function together, see figures 4 and 5).
- whereby the second resilient part comprises at least one resilient tongue
 (21 is a resilient tongue) that is arranged in parallel to the screw

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arrangement axis for insertion into corresponding grooves (upper instance of 28) of the second part of the screw arrangement.

- whereby an end of the resilient tongue is equipped with a bulge (upper instance of 22) to secure a firm connection of the first and second part of the screw arrangement.
- whereby the first screw arrangement part comprises one or more convex protrusions (lower instance of 22) and the second screw part comprises corresponding grooves (28) for insertion of the first part of the screw arrangement into the second part of the screw arrangement.
- the screw arrangement comprising a threaded means for fastening of a tuner object (8 is capable of fastening a tuner object).

Morales discloses all of the claimed subject matter as described above. Morales does not disclose a screw arrangement cavity at its inside being equipped with semispheres that follow the turn of threads of a threaded axle

Newell teaches a screw arrangement cavity at its inside being equipped with six semi-spheres (27) that follow the turn of threads of a threaded axle for the purpose of reducing friction (C1/L10-15).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Morales and provide a screw arrangement cavity at its inside being equipped with six semi-spheres that follow the turn of threads of a threaded axle, as taught by Newell, for the purpose of reducing friction.

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Morales in view of Newell disclose all of the claimed subject matter as described above. Morales in view of Newell does not disclose a cavity for insertion of a threaded axle inside of which the screw arrangement is movably arranged,

Schmid et al. teaches a cavity (20) for insertion of a threaded axle inside of which the screw arrangement is movably arranged, for the purpose of using a screw arrangement to change or tune a frequency (see abstract)

It would have been obvious to one having ordinary skill in the art at the time of the invention to use the screw arrrangement of Morales in view of Newell within a cavity for insertion of a threaded axle inside of which a screw arrangement is movably arranged, as taught by Schmid et al., for the purpose of using a screw arrangement to change or tune a frequency.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terence Boes whose telephone number is (571) 272-4898. The examiner can normally be reached on Monday - Friday 9:00 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TB 4/24/07

> RICHARD RIDLEY SUPERVISORY PATENT EXAMINER